Nuozhadu Dam

Nuozhadu Dam (Chinese: 糯扎渡大坝; pinyin: *Nuòzhādù Dàbà*) is an embankment dam on the Lancang (Mekong) River in Yunnan Province in southwest China. The dam is 261.5 m (858 ft) tall, and creates a reservoir with a normal capacity of 21,749,000,000 m^3 (17,632,000 acre·ft) at a level of 812 m (2,664 ft) asl. The purpose of the dam is hydroelectric power production along with flood control and navigation. The dam supports a power station with nine generators, each with generating capacity of 650 MW. The total generating capacity of the power station is 5,850 MW.[2] Construction on the project began in 2004; the dam's first generator went online 6 September 2012 and the last generator was commissioned in June 2014.[3][4] The construction and management of the project was implemented by Huaneng Power International Ltd., which has a concession to build, own and operate hydroelectric dams on China's stretch of the Mekong River.

See also

- List of power stations in China
- List of tallest dams in the world
- List of tallest dams in China
- List of dams and reservoirs in China

References

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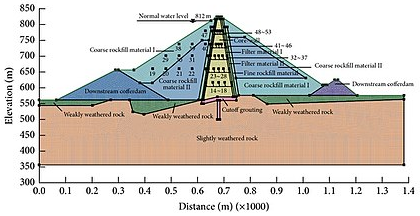
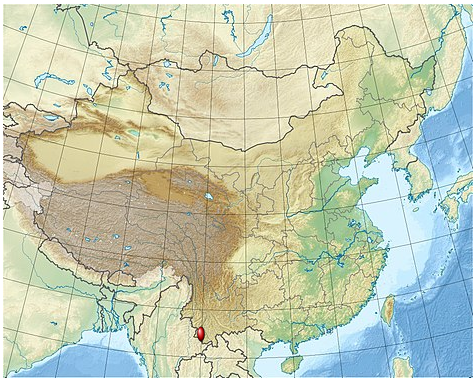
This article about a hydroelectric power plant is a stub. You can help Wikipedia by expanding it (https://en.wikipedia.org/w/index.php?title=Nuozhadu_Dam&action=edit) .

Nuozhadu Dam	
 2D finite element meshes and measure points of Nuozhadu dam	
 Location of Nuozhadu Dam in China	
Location	Puer, Yunnan Province
Coordinates	22°39'22"N 100°25'06"E (https://geohack.toolforge.org/geohack.php?pagename=Nuozhadu_Dam&params=22_39_22_N_100_25_06_E_type:landmark)
Status	Operational
Construction began	2004
Opening date	2012
Dam and spillways	
Type of dam	Embankment, central core, rock-fill

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Impounds	Lancang (Mekong) River
Height	261.5 m (858 ft)
Length	608 m (1,995 ft)
Width (crest)	18 m (59 ft)
Spillway type	Service, controlled side channel chute
Spillway capacity	31,318 m^3/s (1,106,000 cu ft/s)
Reservoir	
Creates	Nuozhadu Reservoir
Total capacity	21,749,000,000 m^3 (17,632,000 acre·ft)
Catchment area	140,000 km^2 (54,000 sq mi)
Surface area	320 km^2 (120 sq mi)
Power Station	
Commission date	2012-2014
Hydraulic head	187 m (614 ft)
Turbines	9 x 650 MW Francis-type
Installed capacity	5,850 MW
Annual generation	23,9 TWh[1]